ACCESSORIES AND BATTERIES

ASTRO® System Products

Motorola Quality...

Motorola Original® Accessories let you make the most of your Motorola radio's capabilities.

You likely chose your Motorola portable or mobile radio for its exceptional quality and reliability — certainly a sound business decision. Choosing Motorola Original® accessories for your radio is also the right call to make.

For starters, every Motorola Original® accessory is performance-matched for Motorola radios — designed, built and rigorously tested to the same quality standards. So you can be sure that every product in this catalog will perfectly complement your radio's performance.

What's more, insisting on Motorola Original® accessories can help increase your productivity. That's because you can count on every accessory to do its job time after time. If you take a chance on a mismatched antenna or a cut-rate microphone, your radio may not perform at the moment you have to use it.

We're pleased to bring you this collection of proven Motorola Original® accessories for your demanding mobile communication needs. You'll find external speakers designed for high noise environments. Both palm and desk top microphones that deliver enhanced performance. Sirens that come through loud and clear in emergencies. Antennas for virtually any vehicle application and more. They're all ready to help you work smarter, harder and with greater confidence.

table of contents...

Whether in hot pursuit or investigating a cold case, communication can be made much easier with a CommPort™ Integrated Microphone/ Receiver System.

How the Book is Organized

Motorola Quality

Table of Contents 1

Portable Radios

ASTRO Digital XTS 3000™/ XTS 4250™. 2-21

ASTRO Digital XTS 1500™/ XTS 2250™. 22-39

Mobile Radios

XTL™ 1500/ XTL 2500/ XTL 5000 40-45

ASTRO® XTS 3000/ XTS 4250 portables

Police

Whether in hot pursuit or investigating a cold case, communication can be made much easier with a CommPort™ Integrated Microphone/Receiver System.

Fire

It takes two hands for climbing ladders and controlling hoses, and solutions like our Chest Pack provide both welcome freedom and valued protection in the heat of the action.

Emergency Response

First responders deserve first-class tools for communicating their position and conditions, and our Lightweight Headsets help everyone quickly and clearly get the message.

Security

From crowd control to answering an alarm signaling illegal entry, a Remote Speaker Microphone lets professionals respond instantly without need to reach for the radio controls.

RMN5089, RMN5067, RMN5088, RMN5066 Commander™ Series Remote Speaker Microphones are the perfect choice for Mission Critical environments.

precision controlled signalling and priority scanning capability...

ASTRO® Digital XTS 3000 / XTS 4250 radios provide exceptional power in a comfortable, ergonomic design.

All models feature precision-controlled signaling, priority scanning capabilities and X-Pand™ Audio Enhancement.

And it's easy to reprogram each radio as your communication needs change.

Spend more time on mission-critical
communications — and less time
having to ask "what's your location?"
with HMN4080 GPS Remote Speaker
Microphone

Discreet Communication

An earphone jack located on the microphone head allows the user to receive discreet audio when used with the earpieces shown here. Compatible with the Commander™ Remote Speaker Microphone and Remote Speaker Microphone with Emergency Button on page 5.

GPS Remote Speaker Microphone

The Global Positioning System (GPS) Remote Speaker Microphone allows ASTRO® Digital XTS 2250 and XTS 4250 portable two-way radio users in outdoor locations to be automatically tracked by satellite. For optimal GPS coverage, a clear view of sky with no obstructions is required. GPS operation may be limited in buildings, tunnels, parking garages and areas with heavy tree coverage.

HMN4080†	GPS Remote Speaker Microphone (fully submersible)
HMN4084†	GPS Remote Speaker Microphone with audio jack (compatible with AARLN4885, RLN4941, WADN4190)

† Compatible with the ASTRO® Digital XTS 2250 and XTS 4250 portable two-way radio (Models I, II, III and Ruggedized), XTS 2250 radio must have tanapa version B hardware and a radio host code R10.00.00 or later. XTS 4250 radios must have a radio host code of R06.01.00 or later, Customer Programming Software (CPS) version R06.00.00 or later.

for tough conditions...

Remote Speaker Microphones (RSM)

These compact Remote Speaker Microphones are water-resistant and allow talking and listening without removing the radio from the belt or case. They have a 6-foot coiled cord assembly, 3.5mm earjack, swivel clip and quick disconnect latch.

NMN6193*	Remote Speaker Microphone
NMN6191*	Noise-Cancelling Remote Speaker Microphone, 3.5mm plug
0104010J46	Replacement Coil Cord Assembly for Remote Speaker Microphone

Remote Speaker Microphones - Commander™ Series

The Commander™ Remote Speaker Microphone features an emergency button, volume control, 16-channel select knob with tactile feedback, 2 programmable buttons and a receive-only 3.5mm earphone jack (not included in submersible model). Ideal for firefighters, police and other professionals who frequently keep their XTS two-way radio inside a case or under clothing. These microphones have controls on the microphone head, allowing operational control from the microphone head.

AARMN5021*	Commander Remote Speaker Microphone
RMN5023*	Fully Submersible Commander Remote Speaker Microphone For a completely submersible radio/microphone system use with XTS 3000R, XTS 3500R and XTS 5000R portable radios.
RMN5089	Commander II RSM, Water Resistant with 3.5 Audio Jack, Channel Selector
RMN5067	Commander II RSM, Water Resistant without 3.5 Audio Jack, Channel Selector
RMN5088	Commander II Plus RSM, with Channel Selector Fully Submersible
RMN5066	Commander II Plus RSM, without Channel Selector Fully Submersible

Remote Speaker Microphone with Emergency Button

The orange button on the microphone head can be used to signal that the operator needs help. This microphone offers high/low volume control and has a 3.5mm earjack on the microphone head. Emergency activation from the RSM is delayed until programmed Mandown Pre-alert and Post-alert delays elapse. Depending on radio model, factory defaults or previous programming could set the delay times for as long as 8 to 120 seconds.

RMN5038*	Remote Speaker Microphone with Emergency Button

Remote Speaker Microphone Audio Accessories

The following earpieces are compatible with the Commander Remote Speaker Microphone RMN5021A and Remote Speaker Microphone with Emergency Button RMN5038.

RLN4941*	Receive-Only Earpiece with Translucent Tube and Rubber Eartip
AARLN4885*	Receive-Only Covered Earbud
WADN4190*	Receive-Only Flexible Earpiece, 3.5mm plug

UHF Public Safety Microphones (PSM)

Public Safety Speaker Microphones include straight cord assembly, 3.5mm earjack, swivel clip, quick disconnect latch, antenna connector and receive audio high/low toggle switch. Use with radio's antenna, sold separately. All require RF adapter NTN8327, sold separately.

NMN6247*	Public Safety Microphone with 30 Inch Straight Cord
NMN6250*	Public Safety Microphone with 24 Inch Straight Cord
NMN6251*	Public Safety Microphone with 18 Inch Straight Cord
NTN8327*	RF Adapter. Required for use with all Public Safety Microphones.

Mandown, Public Safety Tilt Switch

The Mandown, Public Safety Tilt Switch functions as an external emergency switch that is activated when the radio unit is tilted at an angle greater than 60 degrees. No other audio accessory can be attached to the radio while the tilt switch is attached. Radio must be programmed to enable the emergency tilt feature.

NTN7660*	Mandown, Public Safety Tilt Switch

Epaulet Straps

Black leather Epaulet Strap secures Remote Speaker Microphone to epaulet on shirt or jacket and accommodates back clip in leather cut-outs. Snap closure secures cord to allow reliable communications in hostile environments.

RLN4294	Epaulet Strap, Velcro
RLN4295	Epaulet Strap, with Clip

*Intrinsically Safe (FM)

Surveillance Kits

Surveillance accessories allow the radio user to privately receive messages with the earpiece and are ideal when environments require discreet communication. The following surveillance accessories require the 3.5mm threaded adapter jack BDN6676 that attaches to the radio, unless being used with speaker microphone.

1-WIRE SURVEILLANCE KITS

BDN6664*	Receive-Only Earpiece with Standard Earphone (1-Wire). Beige.
BDN6665*†	Extra Loud Receive-Only Earpiece with Standard Earphone (1-Wire). Beige.
BDN6726*	Receive-Only Earpiece with Standard Earphone (1-Wire). Black
BDN6727*†	Extra Loud Receive-Only Earpiece with Standard Earphone (1-Wire). Black

2-WIRE SURVEILLANCE KITS

BDN6667*	Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Beige.
BDN6669*†	Extra Loud Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Beige.
BDN6729*	Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Black.
BDN6731*†	Extra Loud Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Black.

3-WIRE SURVEILLANCE KITS

BDN6668*	Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Beige.
BDN6670*†	Extra Loud Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Beige.
BDN6730*	Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Black
BDN6732*†	Extra Loud Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Black

RLN6230

RLN6232

BDN6676

Surveillance Kits - With Extended-Wear Comfort Earpiece

These kits include an extended-wear comfort earpiece with rubber eartip and clear, comfortable acoustic tube. Users hear transmissions clearly, while the clear tube provides a discreet appearance.

RLN5311

RLN5314	Comfort Earpiece, Receive-Only. Beige.
RLN5313	Comfort Earpiece, Receive-Only. Black.
RLN5311	Earpiece w/Microphone and PTT Combined (2-Wire). Beige.
RLN5312	Earpiece w/Microphone and PTT Combined (2-Wire). Black.

Noise Kits

Extreme Noise Kits provide extra comfort and/or noise protection for users wearing surveillance accessories. Lightweight, translucent tube attaches to Motorola surveillance accessories to provide flexibility and comfort. Clothing clip prevents accessory from being pulled from the ear due to body movement or head rotation. For optimal performance, Extra Loud Earphones are recommended for Noise Kits.

RLN5313

RLN6230	Extreme Noise Kit. Includes 2 foam earplugs. (Black) For high-noise environments. Noise reduction = 24dB. Can be used with Clear Comfortable Earpieces, sold separately.
RLN6232	Low Noise Kit - Clear Acoustic Tube Assembly Includes 1 rubber eartip. For low noise environments. Does not provide hearing protection.
5080369E39†	Extra Loud Earphone. Beige.
5080370E91†	Extra Loud Earphone. Black.

SURVEILLANCE REPLACEMENT ACCESSORIES

BDN6676*	3.5mm Jack Adapter with Quick Disconnect Latch
5080384F72	Replacement Foam Plugs. Pack of 50 For use with NTN8370. Noise reduction rating = 24dB.
5080370E97	Replacement Standard Rubber Eartips, Clear. Pack of 25. For use with NTN8371.

Clear Comfortable Earpieces

The Clear Comfortable Earpiece forms to the inside of the ear and is perfect for low noise environments. It's made of easy-to-clean, chemically-inert hypo-allergenic material. Compatible with NTN8371 and all Surveillance Kits.

RLN4760	Small Custom Earpiece - Right Ear
RLN4761	Medium Custom Earpiece - Right Ear
RLN4762	Large Custom Earpiece - Right Ear
RLN4763	Small Custom Earpiece - Left Ear
RLN4764	Medium Custom Earpiece - Left Ear
RLN4765	Large Custom Earpiece - Left Ear

From left to right, top to bottom:
RLN4765
RLN4762
RLN4764
RLN4761
RLN4763
RLN4760

*Intrinsically Safe (FM)
†Extra loud earphone (exceeds OSHA limits)

discreet communication...

Completely Discreet Wireless Earpiece Kit

Enables users to communicate with ease, in full privacy, without visible equipment. This miniaturized receiver is discreetly hidden in the ear, where it can be worn comfortably for long periods of time. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Average battery life is approximately 100 hours and includes an end-of-life warning signal when the battery needs to be changed. Kit includes wireless receiver, inductive neckloop, 6 spare batteries and 5 spare earguards. For use with any standard 2 or 3-Wire Motorola Surveillance Kit.

RLN4922	Completely Discreet Earpiece Kit
RLN4919	Replacement Earguards. 5 per pack.
RNN4005	Replacement 1.4 Volt Batteries. 6 per pack.

The Completely Discreet Earpiece is easy to use, just remove the earpiece from any standard 2 or 3-Wire Surveillance Kit and plug in the neckloop, which is easily hidden under clothing. Security personnel will be able to wear this tiny receiver comfortably for hours at a time!

Ear Microphone Systems (EMS)

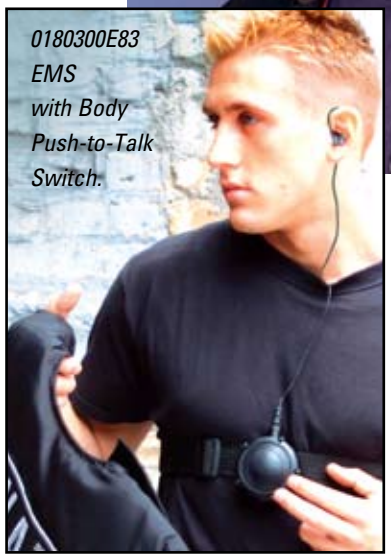
This compact, lightweight unit picks up sound through bone vibrations in the ear canal. The miniature earpiece leaves the hands-free and face unobscured, good for rescue and emergency personnel that must retain the ability to help, hear and speak directly to others...those not on the communication system. EMS may be worn with protective masks without reduction in clarity of sound. It's ideal for high-noise environments. Available in PTT or Voice-Activated (VOX). Interface Module is required and sold separately.

BDN6677*	EMS with PTT Interface. Black. For standard noise levels (up to 95dB).
BDN6678*	EMS with PTT Interface. Beige. For standard noise levels p to 95dB).
BDN6641*	EMS with PTT Interface. Grey. For high-noise levels (up to 105dB).
BDN6643*	Push-to-Talk and Voice-Activated Interface Module

OPTIONAL ACCESSORIES FOR THE EMS

0180300E25	Earguard with Adjustable Loop
0180358B38*	Remote Push-to-Talk Ring Switch.
0180300E83*	Remote Push-to-Talk Body Switch.
0180358B32	Earholder. Black, size small. Secures Ear Microphone in ear.
0180358B33	Earholder. Black, size medium. Secures Ear Microphone in ear.
0180358B34	Earholder. Black, size large. Secures Ear Microphone in ear.
0180358B35	Earholder. Clear, size small. Secures Ear Microphone in ear.
0180358B36	Earholder. Clear, size medium. Secures Ear Microphone in ear.
0180358B37	Earholder. Clear, size large. Secures Ear Microphone in ear.
4280369E44	Replacement Belt Clip with Screws
5080358B28	Eartips. Black, size medium. Pack of 10.
5080358B29	Eartips. Black, size large. Pack of 10.
5080358B30	Eartips. Beige, size medium. Pack of 10.
5080358B31	Eartips. Beige, size large. Pack of 10.
0180305J46	Training CD-ROM For Ear Microphone System and Temple Transducer.

*Intrinsically Safe (FM)



0180300E25

audio

Take advantage of these high-quality Motorola Original® audio accessories that offer clear reception, lightweight convenience and all-day comfort.

The CommPort System is ideal for firefighters and other public safety professionals because it's compatible with most headgear and airmasks.
NTN1663

CommPort: Integrated Microphone/Receiver System

The CommPort System's advanced, self-adjusting microphone and miniature receiver connect to a two-way radio and make it possible to communicate under the most adverse conditions. A variety of Push-to-Talk options allow the user to customize the CommPort system for almost any application.

NTN1624*	Integrated Ear Microphone/Receiver System with Palm PTT Includes 3.5mm adapter BDN6676.
NTN1625*	Integrated Ear Microphone/Receiver System with PTT on Radio Adapter Includes 3.5mm adapter BDN6676.
NTN1663*	Integrated Ear Microphone/Receiver System with Ring PTT Includes 3.5mm adapter BDN6676.
NTN1736*	Integrated Ear Microphone/Receiver System with Snap-On-Side PTT Includes 3.5mm adapter BDN6676.
NNTN4186*	Integrated Ear Microphone/Receiver System with Body PTT Includes 3.5mm adapter BDN6676.

OPTIONAL ACCESSORIES FOR COMMPORT

NKN6510	Replacement Palm PTT Cable for NTN1624
NKN6512	Replacement Ring PTT Cable for NTN1663
NKN6525	Replacement Snap-On-Side PTT Cable for NTN1736
NNTN4188	Replacement Remote PTT Body Switch for NNTN4186
NKN6508	Replacement Cable for NTN1625
NTN8819*	Ear Microphone Assembly
NTN8821	CommPort Maintenance Kit. Includes 10 replacement ear tubes, 10 microphone seal strips and 2 windscreens.
NTN8986	Adhesive Pads. For secure attachment to ear. Pack of 90.
NTN8988	Ear Straps. For secure attachment to ear. Pack of 10.
RLN5037	Replacement Ear Tubes. Pack of 10.
4285838B01	Replacement Collar Clip
4202006A01	Replacement Back Cover Clip
BDN6676	3.5mm Jack Adapter with Quick Disconnect Latch

*Intrinsically Safe (FM)

mission critical essentials...

Flexible Ear Receiver

This receive-only earpiece contains a flexible earloop and speaker which rests external to the ear. Black, without volume control. It plugs directly into adapter BDN6676 or the earjack on speaker microphones.

BDN6719	Flexible Ear Receiver with 3.5mm Threaded Plug Adapter BDN6676 required if not used with speaker microphones.
BDN6676	3.5mm Jack Adapter with Quick Disconnect Latch
7580372E11	Replacement Foam Ear Cushion for BDN6717.

Pellet-Style Earpieces

Pellet-style earpieces allow users to receive communication discreetly and are comfortable for extended-wear use.

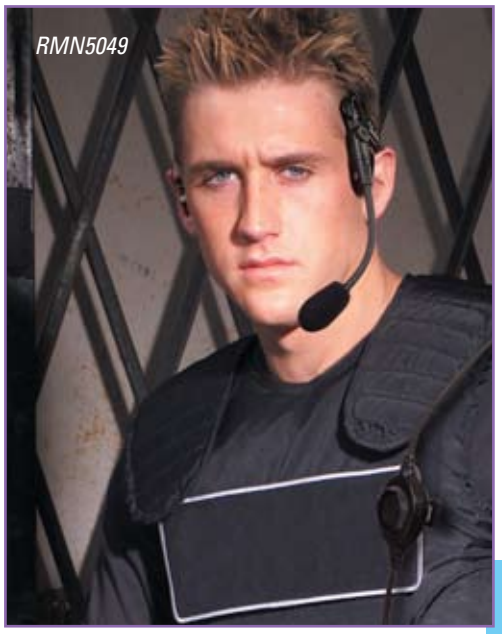
BDN6780*	Earbud with Microphone and Push-to-Talk. Requires adapter BDN6676.
BDN6781*	Earbud, receive-only. Requires adapter BDN6676 unless being used with a speaker or microphone.
BDN6676*	3.5mm Jack Adapter with Quick Disconnect Latch
7580372E70	Replacement Foam Cushion for Pellet Earpieces

BDN6780

Temple Transducer

The Temple Transducer represents a significant achievement in headset design and functionality. It allows the user to receive audio without covering the ear. The receiver portion of this accessory rests on the temples and is capable of converting the receive audio from a two-way radio into sound vibration. The sound vibration is transmitted through the surrounding human tissue and bone directly into the inner ear where it is received by the user. It features an In-line PTT and noise-cancelling boom microphone.The Temple Transducer enhances communication and safety by not impairing the user's hearing of the external sound environment, such as machinery and equipment, warning and fire alarms, the intercom, traffic and even casual conversations with co-workers.

RMN4049*	Temple Transducer
0180305J46	Training CD-ROM. For Ear Microphone System and Temple Transducer.



Rugged Temple Transducer

The Rugged Temple Transducer comes equipped with all the features of the basic model. It sports a bigger Push-to-Talk button and a larger noise-cancelling boom microphone. It is fully adjustable for different head sizes, making it comfortable for extended-wear. Over-the-head band allows users to wear helmets, hardhats and other head gear – and it really stays in place. Water-resistant boom microphone is ideal for use in blowing rain and the secure cap on PTT prevents accidental activation in mission critical situations.

RMN5049*	Rugged Temple Transducer

*Intrinsically Safe (FM)

audio

The same winning quality and dependability you see at professional football stadiums and motor speedways can be yours with Motorola Original® accessories.

Racing Headset

This heavy-duty headset can be worn with most hard hats. Ideal for high-noise environments; racing teams like CART® use it in the pits for dependable communication. Adapter Cable required.

RMN5015	Racing Headset with Noise-Cancelling Swivel Boom Microphone Behind-the-Head style. Noise reduction rating = 24dB
BDN6673	Adapter Cable for RMN5015

Receive-Only Headsets

Receive-Only Headsets are the right choice for high-noise environments where users must hear information clearly, but seldom need to transmit. Dual-Muff headsets feature easily replaceable earseals filled with a liquid and foam combination to provide excellent protection from outside noise as well as comfort. These are for use with Remote and Public Safety Speaker Microphones with a 3.5mm threaded jack. They can also be plugged directly into the radio when used with BDN6676.

RMN4056	Receive-Only Dual-Muff Headband Style Headset. For use with with 3.5mm threaded jack. Can be plugged directly into radio with 3.5mm adapter BDN6676. Noise reduction = 24dB.
RMN4057	Receive-Only, Dual-Muff, Hardhat Headset. Mounts easily to hard hats with slots. For use with remote and public safety microphones with 3.5mm threaded jack. Can be plugged directly into radio with 3.5mm adapter BDN6676.
BDN6676	3.5mm Jack Adapter with Quick Disconnect Latch

Lightweight Headsets

Lightweight headsets provide high-clarity, hands-free, discreet two-way communication, while maintaining the comfort necessary for extended-wear in moderate noise environments. Audio adapter BDN6676 required.

NMN6245	Single-Muff Lightweight Headset with In-Line PTT Switch Requires audio adapter BDN6676.
NMN6246	Ultra-Light Headset with Boom Microphone, In-Line PTT Switch Earbud style receiver. Requires audio adapter BDN6676.
NKN6498	Headset Adapter Cable. For use with NMN1020
BDN6676	3.5mm Jack Adapter with Quick Disconnect Latch

clearly understood...

RMN4053A

Noise-Cancelling Headsets with Boom Microphone

Ideal for two-way communication in extremely noise environments. Dual-Muff, tactical headsets include 2 microphones on outside of earcups which reproduce ambient sound back into headset. Harmful sounds are suppressed to safe levels and low sounds are amplified up to 5 times original level, but never more than 82dB. Has on/off volume control on earcups. Easily replaceable ear seals are filled with a liquid and foam combination to provide excellent sealing and comfort. 3-foot coiled cord assembly included. Adapter Cable RKN4095 required. Hardhat not included.

RMN4052	Tactical Headband Style Headset. Grey, Noise reduction = 24dB.
RMN4053	Tactical Hardhat Mount Headset. Grey, Noise reduction = 22dB.
RKN4095	Adapter Cable with In-Line Push-to-Talk For use with RMN4052/RMN4053, RMN4051
	REPLACEMENT EARSEALS
RLN4923	Replacement Earseals for RMN4051/RMN4052/RMN4053 Includes 2 snap-in earseals.

RMN4051

Hardhat Mount Headset With Noise-Cancelling Boom Microphone

Ideal for two-way communication in high-noise environments, this headset mounts easily to hardhats with slots, or can be worn alone. Easily replaceable ear seals are filled with a liquid and foam combination to provide excellent sealing and comfort. 3-foot coiled cord assembly included. Noise reduction of 22dB. Intrinsically Safe (FM). Separate In-line PTT Adapter Cable RKN4095 required. Hardhat not included.

RMN4051	Two-way, Hardhat Mount Headset w/Noise-Cancelling Boom Microphone. Black.
RKN4094	Adapter Cable with In-Line Push-to-Talk. For use with RMN4051.
RKN4095	In-Line PTT Adapter Cable. For use with RMN4051/RMN4052/RMN4053.

Medium Weight Headsets

Medium weight headsets offer high-clarity sound, with the additional hearing protection necessary to provide consistent, clear, two-way radio communication in harsh, noisy environments or situations.

NMN6258*	Medium Weight, Dual-Muff, Over-the-Head Style Headset with In-line PTT Noise reduction rating = 24dB.
NMN6259*	Medium Weight, Dual-Muff, Behind-the-Head Style Headset Can be worn with hardhat. Noise reduction rating = 24dB.

BDN6645

Heavy-Duty Headsets

Heavy-duty headsets include noise-cancelling boom microphones and can be worn with or without a hardhat. The Push-to-Talk switch is located on the earcup. On voice-activated models, the VOX module is contained within the headset. Headsets are for use in noise levels up to 125dB. Heavy-duty headsets require radio adapter cable BDN6673, sold separately.

BDN6645*	Push-to-Talk Headset with Boom Microphone Requires adapter cable BDN6673. Noise reduction rating = 24dB.
BDN6635	Voice-Activated (VOX) Headset with Boom Microphone Requires adapter cable BDN6673. Noise reduction rating = 24dB.
BDN6636*	Voice-Activated (VOX) Headset with Throat Microphone Requires adapter cable BDN6673. Noise reduction rating = 24dB.
BDN6673*	Radio Adapter Cable

*Intrinsically Safe (FM)

carrying accessories

You'd be surprised how much time can be saved in emergencies when each user's radio is always in the same place — made easy by this versatile case selection of Motorola Original® carry accessories

Leather and Nylon Carrying Cases

A variety of carrying accessories are available for comfort and convenience. The carrying cases are available in sizes designed to fit radios with a battery and permit audio to be heard clearly. Leather cases are constructed of top grain, 8 ounce leather and all stainless steel hardware, Motorola carry cases were developed to meet the demands of public safety and other users who operate in the most rigorous of environments.

MODEL I RADIOS ONLY

NTN8387	Leather Carry Case with Belt Loop, D-rings and T-strap
NTN8385	High-Activity Swivel Leather Case Features 2.5 Inch swivel belt loop,D-rings and T-strap.
NTN8386	High-Activity Swivel Leather Case Features 3 Inch swivel belt loop, D-rings and T-strap.
NTN8725	High-Activity Nylon Case with Belt Loop and T-strap

MODEL II & III RADIOS ONLY

NTN8382	Leather Case with Belt Loop, D-rings and T-strap
NTN8380	High-Activity Swivel Leather Case Features 2.5 Inch swivel belt loop, D-rings and T-strap.
NTN8381	High-Activity Swivel Leather Case Features 3 Inch swivel belt loop, D-rings and T-strap.
NTN8725	High-Activity Nylon Case with Belt Loop and T-strap
NTN9184	Leather Case with Belt Loop. For Clamshell Battery.

Carrying Accessories

T-STRAPS

NTN8383	Leather T-strap, Plain Action Snap
NTN8384	Leather T-strap, Hard Action Snap Provides additional strength at the snap.

HIGH-ACTIVITY BELT LOOPS

NTN8039	2.5 Inch Leather Swivel Belt Loop
NTN8040	3 Inch Leather Swivel Belt Loop

BELT CLIPS

NTN8266	Standard Removable 2.25 Inch Belt Clip Attachment
NTN8460	Public Safety 3 Inch Belt Clip Attachment

CARRYING STRAP

NTN5243	Adjustable, Black Nylon Carrying Strap Attaches to D-ring on cases.

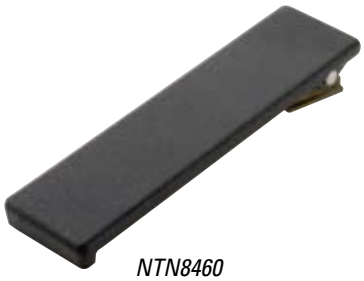
NTN8385

NTN8380

NTN8381

NTN8039

NTN8040


NTN8460

NTN5243

Chest Pack

Motorola Original® Universal Chest Pack protects the radio and provides the freedom from holding it during standby communication mode. Universal Chest Pack fits virtually any radio.

HLN6602	Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch
1505596Z02	Replacement Strap for HLN6602/RLN4570

Break-A-Way Chest Pack

All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure.

RLN4570	Break-a-Way Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch.
1505596Z02	Replacement Strap for HLN6602/RLN4570

Universal RadioPAk™

The RadioPAk is lightweight and comfortable. Worn around the waist, it keeps radios/phones at hand. It features a separate 6 x 8 inch zippered pouch for other on-the-job necessities. Adjustable woven nylon belt fits both men and women.

RLN4815	RadioPAk Radio/Utility Case
4280384F89	RadioPAk Extension Belt For waists larger than 40 inches.

Waterproof Bag

HLN9985	Waterproof Bag with Large Strap

Portable Radio Hangers

Portable Radio Hangers slide over and hangs from the vehicle door panel allowing convenient, easy mounting. Radio belt clip required.

TDN9327	Portable Radio Hanger for door panels up to 2.75 inches.
TDN9373	Portable Radio Hanger for door panels 2.75 to 3.25 inches.

Unlike rigid holders, the universal-fit RadioPAk is lightweight and comfortable. An ideal companion for two-way radios, as well as iDEN® portables and cellular phones.

TDN9327, TDN9373

batteries and chargers

Battery Characteristics

NiCd batteries provide the maximum number of charge/discharge cycles and are best suited for temperature extremes.

NiMH batteries provide more talk-time per shift and are less prone to memory effect.

Li-Ion batteries offer the best power-to-weight ratio of all chemistries, with no memory effect.

Batteries

	PREMIUM NICKEL CADMIUM - NiCd
NTN8294_R	NiCd, 1525 mAh 7.5 Volt.
NTN8295_R*	NiCd, 1525 mAh 7.5 Volt.
NTN8297_R*	NiCd, 1525 mAh 7.5 Volt., Ruggedized.
	PREMIUM NICKEL METAL HYDRIDE - NiMH
NTN8299_R*	NiMH, 1700 mAh 7.5 Volt.
NTN8923_R	NiMH, 1800 mAh 7.5 Volt
RNN4006	NiMH, 3500 mAh 7.5 Volt
RNN4007_R*	NiMH, 3500 mAh 7.5 Volt.
	PREMIUM ALKALINE BATTERY SHELLS
NTN9177	Disposable Battery Shell–Black Twelve AA Alkaline batteries required, sold separately.
NTN9183	Disposable Battery Shell–Orange Twelve AA Alkaline batteries required, sold separately.

NTN8299_R

IMPRES™ Batteries

IMPRES batteries, when used with an IMPRES charger, provide automatic, adaptive reconditioning, end-of-life display and other advanced features. Data is stored in the battery and communicated to the charger via a unique IMPRES communication protocol which is designed to maximize talk-time and optimize battery cycle life – all automatically.

HNN9031	NiCd, 1525 mAh 7.5 Volt
HNN9032*	NiCd, 1525 mAh 7.5 Volt.
NNTN4435	NiMH, 1800 mAh 7.5 Volt
NNTN4436*	NiMH, 1700 mAh 7.5 Volt.
NNTN4437*	NiMH, 1700 mAh 7.5 Volt., Ruggedized.
NTN9862	Li-Ion, 2750 mAh 7.2 Volt
NNTN7335	Li-Ion, 2700 mAh 7.2 Volt

IMPRES Batteries

*Intrinsically Safe (FM)

essential power...

Single-Unit, Rapid-Rate, Universal Charger

These tri-chemistry chargers support Nickel Cadmium, Nickel Metal Hydride and Lithium-ion batteries. They will rapid charge most batteries to 90% capacity in one to two hours and employ trickle and maintenance modes that ensure batteries are safely charged to full-capacity.

NTN1667	Universal Charger, 110 Volt, US Plug
NTN1668	Universal Charger, 220 Volt, Euro Plug
RPX4749	Charger Base with Transformer, 230 Volt, UK Plug

NTN1667

Motorola Conditioning Charger (MCC)

The MCC features Instant Fault Detection technology that detects faulty batteries in seconds. You'll know right away when a battery won't operate at peak performance - saving you time and trouble. Each unit rapidly charges NiCd and NiMH batteries and optimizes battery performance. It's patented negative pulse charging process minimizes overheating and overcharging, extending useful battery life. Batteries can be left on the charger for extended periods of time, without worry of heat build-up. Optional accessories are available that allow the MCC to be used in both AC and DC environments – that's flexibility.

WPLN4086_R	Charger Kit, 110 Volt AC. Includes single-unit base and 7 Volt adapter plate.
WPLN4087_R	Charger Kit, 220 Volt AC. Includes single-unit base and 7 Volt adapter plate.
WPPN4002_R	110 Volt AC Single-Unit Base Charger Only Adapter plates sold separately.
WPPN4006_R	220 Volt AC Single-Unit Base Charger Only Adapter plates sold separately.
WPPN4021_R	7 Volt Adapter Plate
WPPN4065_R	Multi-Unit Conditioning Charger, 4-Station Base, 110 Volt. Adapter plates sold separately.

Motorola Conditioning Chargers are not compatible with NiMH batteries RNN4006B and RNN4007AR.

WPPN4065_R

Vehicular Mounting

RLN4814	Vehicular Mounting Bracket and Hard Wire Cable For Single-Unit Motorola Conditioning Chargers. Includes DC Hard Wire Cable 3080384M21.
3080384M21	DC Hard Wire Cable with 3 A In-line fuse.

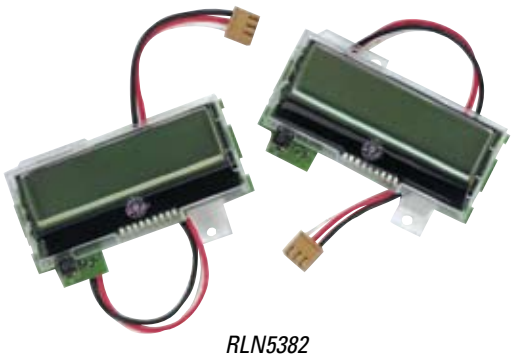
RLN4814

Vehicular Power Adapter

3080384G15	Vehicular Power Adapter

WPPN4002_R
Single-Unit Base Charger and power supply shown with optional Vehicular Power Adapter 3080384G15.

WPLN4111_R



RLN5382

IMPRES™ Smart Energy Systems

Through the use of its advanced charging algorithm and automatic reconditioning features, the IMPRES Smart Energy System ensures maximum talk-time and optimized battery cycle life. This smart energy system automatically reconditions IMPRES batteries based on actual usage, keeping them in peak condition. Talk-time and cycle life are optimized and the need for manual maintenance programs is eliminated. Its advanced conditioning features allow batteries to be safely left on the charger for extended periods of time without incurring the damaging heat build-up which can decrease battery cycle life. In addition, batteries left in the charger are kept fully charged so they are always ready when needed. This rapid-rate, tri-chemistry charging system will also charge compatible non-IMPRES batteries and supports multiple radio platforms including SABER, XTS and HT 1000 Series portables.

IMPRES™ Single-Unit Chargers

WPLN4111_R	IMPRES Single-Unit Charger, 110 Volt, US Plug
WPLN4112_R	IMPRES Single-Unit Charger, 220 Volt, Euro Plug
WPLN4113_R	IMPRES Single-Unit Charger, 240 Volt, UK Plug
5889254E01	Battery Adapter. Required for NTN4538_R, NTN4593_R, NTN7014_R and NTN8818 batteries.

IMPRES™ Multi-Unit Chargers

WPLN4108_R	IMPRES Multi-Unit Charger, 110 Volt, US Plug
WPLN4109_R	IMPRES Multi-Unit Charger, 220 Volt, Euro Plug
WPLN4110_R	IMPRES Multi-Unit Charger, 240 Volt, UK Plug
4385922B01	Battery Adapter. Required for NTN4538_R, NTN4593_R, NTN7014_R and NTN8818 batteries.
NLN7967	Wall Mount for Multi-Unit Chargers

IMPRES™ Multi-Unit Chargers with Display Modules

Charger Display Modules provide powerful, "real time" analyzing information for IMPRES batteries, including current charge status, battery mAh, percent rated capacity and battery voltage. Readout displays battery kit number, serial number and chemistry and the time remaining to complete the charge for NiCd and NiMH batteries. It also forecasts the number of cycles to next reconditioning and more.

WPLN4130	IMPRES Multi-Unit Charger with Display Modules, 110 Volt, US Plug
WPLN4131_R	IMPRES Multi-Unit Charger with Display Modules, 220 Volt, Euro Plug
WPLN4132_R	IMPRES Multi-Unit Charger with Display Modules, 240 Volt, UK Plug
NLN7967	Wall Mount for Multi-Unit Charger

IMPRES™ Individual Charger Display Module

This module is compatible with the standard IMPRES™ Multi-Unit Charger WPLN4108_R, WPLN4109_R and WPLN4110_R. Up to 6 modules can be used per charger, one for each charging pocket. Includes detailed installation instructions.

RLN5382	Charger Display Module for IMPRES Multi-Unit Charger Version 1.3 or Later.

Note: Display Modules compatible with Multi-Unit Charger version 1.2 or earlier require a software flash update.

Version number is located on label on the bottom of the IMPRES™ Multi-Unit charger. If no version is shown, it is earlier than version 1.2. Version 1.2 will appear as V1.20, 1.3 will appear as V1.30, etc.

IMPRES™ CD

This CD provides an interactive guide to the IMPRES Charging System. It outlines the benefits and gives examples of application usage.

0180305J70	IMPRES CD

essential power systems...

WPLN4079_R

Battery Maintenance System^{PLUS} (BMS^{PLUS})

Increase the useful life of your batteries. Using interchangeable battery adapters (sold separately), the BMS^{PLUS} is capable of charging and discharging, analyzing, conditioning and cycle testing batteries. It supports NiCd, NiMH and Li-Ion battery chemistries (Li-Ion 6-station units only) and tracks better voltage and capacity (mAh). Its easy-to-use design supports hundreds of two-way, cellular and camcorder batteries. The BMS^{PLUS} offers a 3-year warranty and includes serial printer* port (RS-232).

WPLN4079_R	6-Station BMS^{PLUS}, 110 Volt AC, 50/60 Hz, US Plug
WPLN4080_R	6-Station BMS^{PLUS}, 230 Volt AC, 50/60 Hz, Euro Plug
WPLN4081_R	6-Station BMS^{PLUS}, 230 Volt AC, 50/60 Hz, UK Plug
WPPN4085_R	BMS^{PLUS} Li-Ion Field Upgrade Kit. Upgrades WPLN4079_R, WPLN4080_R, WPLN4081_R. Allows units to support Li-Ion batteries.
NDN4005	3-Station BMS, 110 Volt AC, 50/60 Hz. Does not support Li-Ion or 3-cell batteries.
NDN4006	3-Station BMS, 230 Volt AC, 50/60 Hz Does not support Li-Ion or 3-cell batteries.

*Compatible with the STAR Micronics SP200 series printers and other printers with STAR printer emulation. STAR Micronics printers are available through STAR Micronics distributors.

Battery Maintenance System^{PLUS} (BMS^{PLUS}) Adapters

WPPN4019_R	Adapter. Compatible with NiCd batteries only.
WPPN4022_R	Adapter. Compatible with both NiCd and NiMH batteries.
WPPN4086_R	Adapter. Compatible with NiCd, NiMH and Li-Ion batteries.

WPN4124_R

Battery Optimizing System II (BOS II)

No other battery analyzer matches the speed, accuracy, versatility and ease-of-use of the BOS II in providing powerful analyzing capabilities. Users can select from 12 pre-programmed service programs making it quick and easy to get up and running. Because the BOS II is programmable, users can create custom programs to perform a wide variety of tasks specific to individual needs. New enhancements include new navigation keys and an improved, more intuitive menu system. Regular use of the BOS II can optimize battery performance and help extend battery life, helping reduce battery replacement costs.

WPLN4124_R	BOS II, 4-Station, 90-264 Volt AC, US Plug. Adapter Plates Required.
WPLN4125_R	BOS II, 4-Station, 90-264 Volt AC, Euro/UK Plug. Adapter Plates Required.
RL75765	BOS II Battery Adapter. For use with ASTRO XTS 3000 and XTS 4250 radios.

- Quicktest™ diagnostic feature measures a battery's state of health in approximately 2 to 5 minutes
- Supports NiCd, NiMH, Li-Ion and SLA batteries
- Increased power-programmable from 100 mAh to 4 Amps per station
- Programmable adapters allow customization of maintenance routines
- Proprietary reduction cycle restores NiCd and NiMH batteries
- Printer output for reports and labels with computer interface (Includes both 9-pin serial and 25-pin parallel ports)
- 100-Watt Universal Power Supply (110-240 VAC) provides up to 4 amps of power per station
- Interchangeable adapter plates accommodate nearly all Motorola two-way batteries and other major brands

vehicular chargers

Vehicular Travel Charger

A great traveling companion that ensures constant communication while on the road. Its small compact design allows the radio to be used while rapid charging in the charger base. Unit includes a voltage regulated vehicular charger adapter, custom charger base, mounting bracket and coil cord.

RLN4884	Vehicular Travel Charger
RLN5914	Universal Mounting Bracket for RLN4884. Includes screws and nylon strap cord.

TRAVEL CHARGER TRANSFORMERS

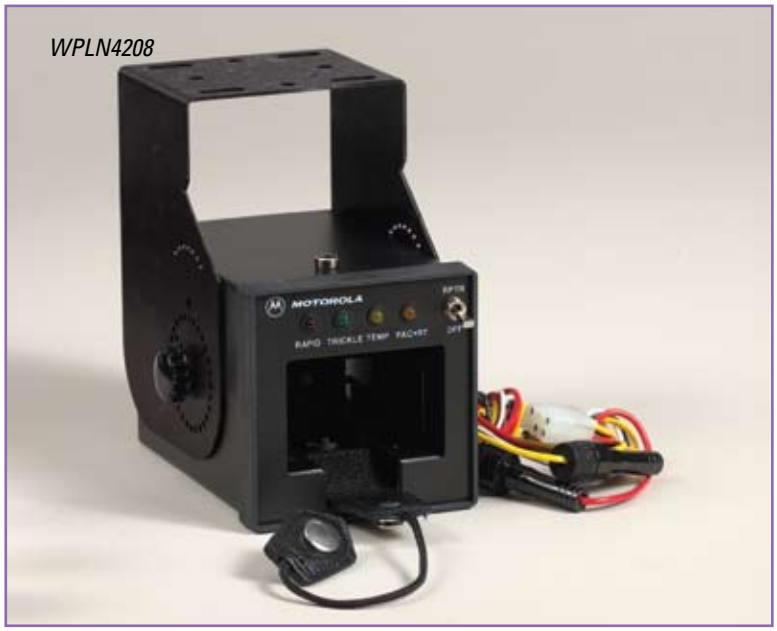
2580600E05	Transformer, 120 Volt, US
2580600E06	Transformer, 230 Volt, European
2580600E07	Transformer, 230 Volt, UK
2580600E08	Transformer, 220 Volt, Argentina

RLN4884

Vehicular Charger

This vehicular charger is a 12 Volt DC unit that supports NiCd, NiMH and Li-Ion batteries for XTS 3000 and XTS 4250. A microprocessor senses the type of battery installed and controls the rate-of- charge accordingly. Batteries are charged at a rapid-rate until fully charged at which point the unit reverts to a trickle charge. Batteries can be charged while on the radio or stand alone. The radio can be operated while in the charger and this unit is PAC RT compatible. The vehicular charger consists of a console, mounting hardware and supply cable.

WPLN4208	Vehicular Charger



WPLN4208

power for the road...

Vehicular Adapters offer quick radio release and dead battery operation. They are powered by attaching the radio supply cable to the 12 Volt battery located inside a police car, utility truck or other vehicle.

Vehicular Adapters

Allow users to adapt XTS 3000, XTS 4250 or XTS 5000 portable radios for mobile operation. They provide in-vehicle rapid and trickle charging for NiCd, NiMH and Li-Ion batteries. These units offer quick radio release and dead battery operation and are powered by attaching the radio supply cable to the 12 Volt battery located inside a police car, utility truck or other vehicle. Connectors are provided for the vehicle's external antenna, mobile microphone and optional amplified loudspeaker HSN1000 – these are required to allow operation of the portable radio in a way that is similar to that of a mobile.There is also a general interface connector for additional accessories. A color LED indicates battery recharge status. For XTVA operation, a microphone and RF Switch NTN8327 are required.

NTN8561	XTS Vehicular Adapter. Closed Face with Limited Keypad Access, Mini-UHF.
NTN8560	XTS Vehicular Adapter. Open Face with Limited Keypad Access, Mini-UHF.
NTN1607	XTS Vehicular Adapter. Closed Face, BNC.
NTN1606	XTS Vehicular Adapter. Open Face with Limited Keypad Access, BNC.

ADAPTER KITS FOR ACCESSORIES

NTN8941	XTVA Data Cable Kit. Required for additional accessories, sold separately.
NTN8943	XTVA Accessory Adapter Kit. Required for additional accessories, sold separately.

REQUIRED ACCESSORIES FOR VEHICULAR ADAPTERS

NTN8940	Trunnion. Required for operation.
NTN8270	Tool Wrench for RF Switch. Required for operation.
NTN8327	RF Adapter. Required for operation.

OPTIONAL ACCESSORIES FOR VEHICULAR ADAPTERS

PLN7737	Hand Held Control Head
HSN1000	External Speaker, Amplified, 6-Watt
HLN9330	Emergency Foot Switch
GLN7280	Emergency Push Button
NKN6455	MTVA PA/Speaker Cable

antennas

Antenna Characteristics

Heliflex antennas are engineered for maximum output and coverage.

Stubby antennas are non-obtrusive, ideal for wearing the radio on a belt.

Whip antennas are one-piece with a steel core for optimal radiation.

tuned and tested...

Flexible Whip

Flexible whip antennas have a one-piece finish and steel core for optimal radiation characteristics. They provide more comfort when radio is worn on the belt.

8505241U05	6 Inch Flexible Whip Antenna, 403-520 MHz
8505241U03	7 Inch Flexible Whip Antenna, 806-869 MHz
8505241U11	7 Inch Flexible Whip, Dual Band Antenna, 764-870 MHz

Helical

Helical antennas are sturdy and dependable. Each antenna is designed and built to quality standards. The skirt at the base of the connector helps to seal out damaging elements.The connector is made of plated brass material for long life.

8505644V01	6 Inch Helical Antenna, 136-151 MHz
8505644V02	6 Inch Helical Antenna, 151-162 MHz
8505644V03	6 Inch Helical Antenna, 162-174 MHz
8505644V04	3 Inch Helical Antenna, 403-435 MHz
8505644V05	3 Inch Helical Antenna, 435-470 MHz
8505644V06	3 Inch Helical Antenna, 470-520 MHz

Wideband

Wideband antennas are ideal when the radio is used in different frequencies since one antenna will cover all ranges.

8505518V01	8 Inch Wideband Antenna, 136-174 MHz

Stubby

This quarterwave stubby antenna is ideal when the radio is worn on a belt because the short antenna is unobtrusive. This broad band antenna can be used for both 800 and 900 MHz applications.

8505241U06	4 Inch Stubby Antenna, 806-941 MHz

8505241U05

8505644V01

8505644V04

8505644V03

8505241U06

XTS 1500/ XTS 2250 portables

Police

Whether in hot pursuit or investigating a cold case, communication can be made much easier with a CommPort™ Integrated Microphone/Receiver System.

Fire

It takes two hands for climbing ladders and controlling hoses, and solutions like our Chest Pack provide both welcome freedom and valued protection in the heat of the action.

Emergency Response

First responders deserve first-class tools for communicating their position and conditions, and our Lightweight Headsets help everyone quickly and clearly get the message.

Security

From crowd control to answering an alarm signaling illegal entry, a Remote Speaker Microphone lets professionals respond instantly without the need to reach for the radio controls.

"Yes Captain... we put the engine fire out, the ambulance just got here, so we're heading back to the station."

high performance in a small size...

ASTRO® Digital XTS 1500™/ XTS 2250™ radios offer high performance capability in an easy-to-use small size. Lightweight and convenient to carry, these radios feature Noise Reduction Software for enhanced audio quality and support multiple system configurations to match your needs.

microphones and accessories

In the case.

Out of the case.

In. Out.

It's more efficient

to leave a radio

in place and wear a

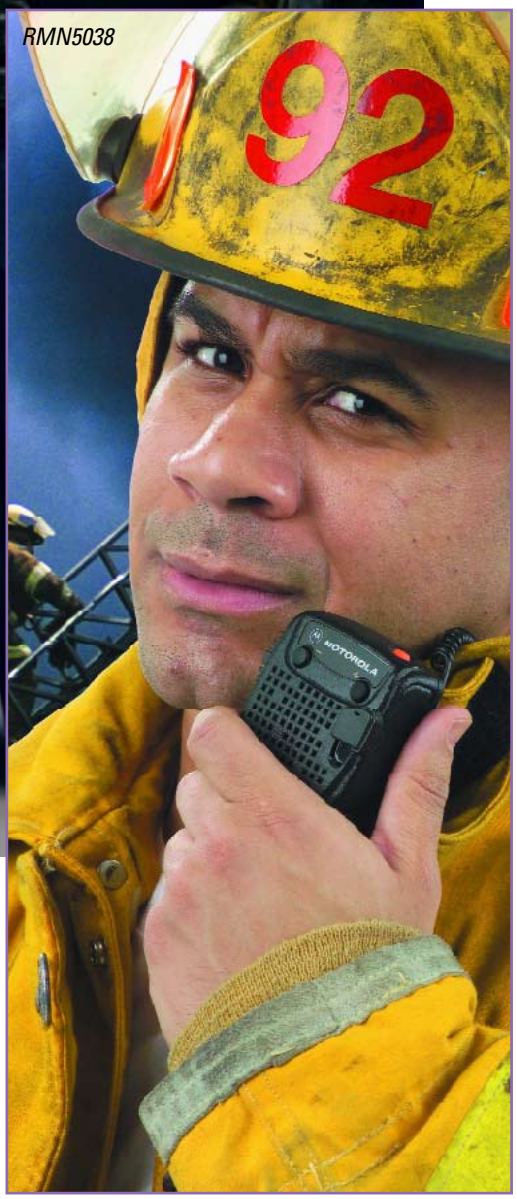
microphone on a uniform

jacket or shirt collar — and

Motorola Original® audio

accessories

make it possible.



The Remote Speaker Microphone with Emergency Button has an earphone jack located on the microphone head that allows the user to receive discreet audio when used with the following earpieces RLN4941, AARLN4885 and WADN4190.

for tough conditions...

Remote Speaker Microphones (RSM)

These compact Remote Speaker Microphones are water-resistant and allow talking and listening without removing the radio from the belt or case. They have a 6-foot coiled cord assembly, 3.5mm earjack, swivel clip and quick disconnect latch.

NMN6193*	Remote Speaker Microphone
NMN6191*	Noise-Cancelling Remote Speaker Microphone
0104010J46	Replacement Coil Cord Assembly for Remote Speaker Microphone

NMN6193

Remote Speaker Microphone with Emergency Button

The orange button on the microphone head can be used to signal that the operator needs help. This microphone offers high/low volume control and has a 3.5mm earjack on the microphone head. Emergency activation from the RSM is delayed until programmed Mandown Pre-alert and Post-alert delays elapse. Depending on radio model, factory defaults or previous programming could set the delay times for as long as 8 to 120 seconds.

RMN5038*	Remote Speaker Microphone with Emergency Button

RMN5038

Public Safety Microphones (PSM)

Public Safety Speaker Microphones include straight cord assembly, 3.5mm earjack, swivel clip, antenna connector and receive audio high/low toggle switch. Use with radio's antenna, sold separately. RF adapter is included. Not for use in VHF frequency bands.

RMN5072*	Public Safety Microphone with 30 Inch Straight Cord
RMN5073*	Public Safety Microphone with 24 Inch Straight Cord
RMN5074*	Public Safety Microphone with 18 Inch Straight Cord

RMN5072

RSM/PSM Audio Accessories

The following earpieces are compatible with the Remote Speaker Microphone with Emergency Button RMN5038 and Public Safety Microphones RMN5072, RMN5073 and RMN5074.

RLN4941	Receive-Only Earpiece with Translucent Tube and Rubber Eartip
AARLN4885	Receive-Only Covered Earbud
WADN4190	Receive-Only Flexible Earpiece

Epaulet Straps

Black leather Epaulet Strap secures Remote Speaker Microphone to epaulet on shirt or jacket and accommodates back clip in leather cut-outs. Snap closure secures cord to allow reliable communications in hostile environments.

RLN4294	Epaulet Strap, Velcro
RLN4295	Epaulet Strap, with Clip

RLN4294

RLN4295

*Intrinsically Safe (FM)

Surveillance Kits

Surveillance accessories allow the radio user to privately receive messages with the earpiece and are ideal when environments require discreet communication. The following surveillance accessories require the 3.5mm threaded adapter jack BDN6676 that attaches to the radio, unless being used with speaker microphone.

1-WIRE SURVEILLANCE KITS

BDN6664*	Receive-Only Earpiece with Standard Earphone (1-Wire). Beige.
BDN6665*†	Extra Loud Receive-Only Earpiece with Standard Earphone (1-Wire). Beige.
BDN6726*	Receive-Only Earpiece with Standard Earphone (1-Wire). Black
BDN6727*†	Extra Loud Receive-Only Earpiece with Standard Earphone (1-Wire). Black
BDN6666*	Receive-Only Earpiece with Volume Control and Earloop (1-Wire). Beige.
BDN6728*	Receive-Only Earpiece with Volume Control and Earloop (1-Wire). Black.

2-WIRE SURVEILLANCE KITS

BDN6667*	Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Beige.
BDN6669*†	Extra Loud Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Beige.
BDN6729*	Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Black.
BDN6731*†	Extra Loud Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Black.

3-WIRE SURVEILLANCE KITS

BDN6668*	Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Beige.
BDN6670*†	Extra Loud Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Beige.
BDN6730*	Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Black
BDN6732*†	Extra Loud Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Black

RLN6230

Surveillance Kits - With Extended-Wear Comfort Earpiece

These kits include an extended-wear comfort earpiece with rubber eartip and clear, comfortable acoustic tube. Users hear transmissions clearly, while the clear tube provides a discreet appearance.

RLN5314	Receive-Only Comfort Earpiece. Beige.
RLN5313	Receive-Only Comfort Earpiece. Black.
RLN5311	Earpiece w/Microphone and PTT Combined (2-Wire). Beige.
RLN5312	Earpiece w/Microphone and PTT Combined (2-Wire). Black.

RLN5311

Noise Kits

Extreme Noise Kits provide extra comfort and/or noise protection for users wearing surveillance accessories. Lightweight, translucent tube attaches to Motorola surveillance accessories to provide flexibility and comfort. Clothing clip prevents accessory from being pulled from the ear due to body movement or head rotation. For optimal performance, Extra Loud Earphones are recommended for Noise Kits.

RLN6232

RLN6230	Extreme Noise Kit. Includes 2 foam earplugs. Black. For high-noise Noise reduction =24dB. Can be used with Clear Comfortable Earpieces, sold separately.
RLN6232	Low Noise Kit - Clear Acoustic Tube Assembly Includes 1 rubber eartip. For low noise environments, does not provide hearing protection.
5080369E39†	Extra Loud Earphone. Beige.
5080370E91†	Extra Loud Earphone. Black.

RLN5313

SURVEILLANCE REPLACEMENT ACCESSORIES

BDN6676*	3.5mm Jack Adapter with Quick Disconnect Latch
5080384F72	Replacement Foam Plugs. Pack of 50 For use with NTN8370. Noise reduction rating = 24dB.
5080370E97	Replacement Standard Rubber Eartips. Clear. Pack of 25. For use with NTN8371.

BDN6676

Clear Comfortable Earpieces

The Clear Comfortable Earpiece forms to the inside of the ear and is perfect for low noise environments. It's made of easy-to-clean, chemically-inert hypo-allergenic material. Compatible with NTN8371 and all Surveillance Kits.

RLN4760	Small Custom Earpiece - Right Ear
RLN4761	Medium Custom Earpiece - Right Ear
RLN4762	Large Custom Earpiece - Right Ear
RLN4763	Small Custom Earpiece - Left Ear
RLN4764	Medium Custom Earpiece - Left Ear
RLN4765	Large Custom Earpiece - Left Ear

From left to right, top to bottom:
RLN4765
RLN4762
RLN4764
RLN4761
RLN4763
RLN4760

*Intrinsically Safe (FM)
†Extra loud earphone (exceeds OSHA limits)

discreet communication...

RLN4922

Completely Discreet Wireless Earpiece Kit

Enables users to communicate with ease, in full privacy, without visible equipment. This miniaturized receiver is discreetly hidden in the ear, where it can be worn comfortably for long periods of time. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Average battery life is approximately 100 hours and includes an end-of-life warning signal when the battery needs to be changed. Kit includes wireless receiver, inductive neckloop, 6 spare batteries and 5 spare earguards. For use with any standard 2 or 3-Wire Motorola Surveillance Kit.

RLN4922	Completely Discreet Earpiece Kit
RLN4919	Replacement Earguards. 5 per pack.

The Completely Discreet Earpiece is easy to use, just remove the earpiece from any standard 2 or 3-Wire Surveillance Kit and plug in the neckloop, which is easily hidden under clothing. Security personnel will be able to wear this tiny receiver comfortably for hours at a time!

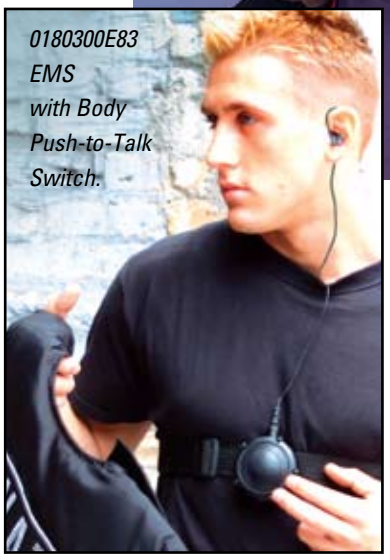
Ear Microphone Systems (EMS)

This compact, lightweight unit picks up sound through bone vibrations in the ear canal. The miniature earpiece leaves the hands-free and face unobscured, good for rescue and emergency personnel that must retain the ability to help, hear and speak directly to others...those not on the communication system. EMS may be worn with protective masks without reduction in clarity of sound. It's ideal for high-noise environments. Available in PTT or Voice-Activated (VOX). Interface Module is required and sold separately.

BDN6677*	EMS with PTT Interface. Black. For standard noise levels (up to 95dB).
BDN6678*	EMS with PTT Interface. Beige. For standard noise levels (up to 95dB).
BDN6641*	EMS with PTT Interface. Grey. For high-noise levels (up to 105dB).
BDN6708*	Push-to-Talk Only Interface Module
BDN6671*	Push-to-Talk and Voice-Activated Interface Module

OPTIONAL ACCESSORIES FOR THE EMS

0180300E25	Earguard with Adjustable Loop
0180358B38*	Remote Push-to-Talk Ring Switch.
0180300E83*	Remote Push-to-Talk Body Switch.
0180358B32	Earholder. Black, size small. Secures Ear Microphone in ear.
0180358B33	Earholder. Black, size medium. Secures Ear Microphone in ear.
0180358B34	Earholder. Black, size large. Secures Ear Microphone in ear.
0180358B35	Earholder. Clear, size small. Secures Ear Microphone in ear.
0180358B36	Earholder. Clear, size medium. Secures Ear Microphone in ear.
0180358B37	Earholder. Clear, size large. Secures Ear Microphone in ear.
4280369E44	Replacement Belt Clip with Screws
5080358B28	Eartips. Black, size medium. Pack of 10.
5080358B29	Eartips. Black, size large. Pack of 10.
5080358B30	Eartips. Beige, size medium. Pack of 10.
5080358B31	Eartips. Beige, size large. Pack of 10.
0180305J46	Training CD-ROM For Ear Microphone System and Temple Transducer.


0180300E83 EMS with Body Push-to-Talk Switch.

0180300E25

*Intrinsically Safe (FM)

audio

Take advantage of these high-quality Motorola Original® audio accessories that offer clear reception, lightweight convenience and all-day comfort.

The CommPort System is ideal for firefighters and other public safety professionals because it's compatible with most headgear and airmasks.
NTN1663

CommPort: Integrated Microphone/Receiver System

The CommPort System's advanced, self-adjusting microphone and miniature receiver connect to a two-way radio and make it possible to communicate under the most adverse conditions. A variety of Push-to-Talk options allow users to customize the CommPort System for almost any application.

NTN1624*	Integrated Ear Microphone/Receiver System with Palm PTT Includes 3.5mm adapter BDN6676.
NTN1625*	Integrated Ear Microphone/Receiver System with PTT on Radio Adapter Includes 3.5mm adapter BDN6676.
NTN1663*	Integrated Ear Microphone/Receiver System with Ring PTT. Includes 3.5mm adapter BDN6676.
NTN1736*	Integrated Ear Microphone/Receiver System with Snap-On-Side PTT Includes 3.5mm adapter BDN6676.
NNTN4186*	Integrated Ear Microphone/Receiver System with Body PTT Includes 3.5mm adapter BDN6676.

OPTIONAL ACCESSORIES FOR COMMPORT

NKN6510	Replacement Palm PTT Cable for NTN1624
NKN6512	Replacement Ring PTT Cable for NTN1663
NKN6525	Replacement Snap-On-Side PTT Cable for NTN1736
NNTN4188	Replacement Remote PTT Body Switch for NNTN4186
NTN8819*	Ear Microphone Assembly
NKN6508	Replacement Cable for NTN1625
NTN8821	CommPort Maintenance Kit Includes 10 replacement ear tubes, 10 microphone seal strips and 2 windscreens.
NTN8986	Adhesive Pads. For secure attachment to ear. Pack of 90.
NTN8988	Ear Straps. For secure attachment to ear. Pack of 10.
RLN5037	Replacement Ear Tubes. Pack of 10.
4285838B01	Replacement Collar Clip
4202006A01	Replacement Back Cover Clip
BDN6676	3.5 mm Jack Adapter with Quick Disconnect Latch

*Intrinsically Safe (FM)

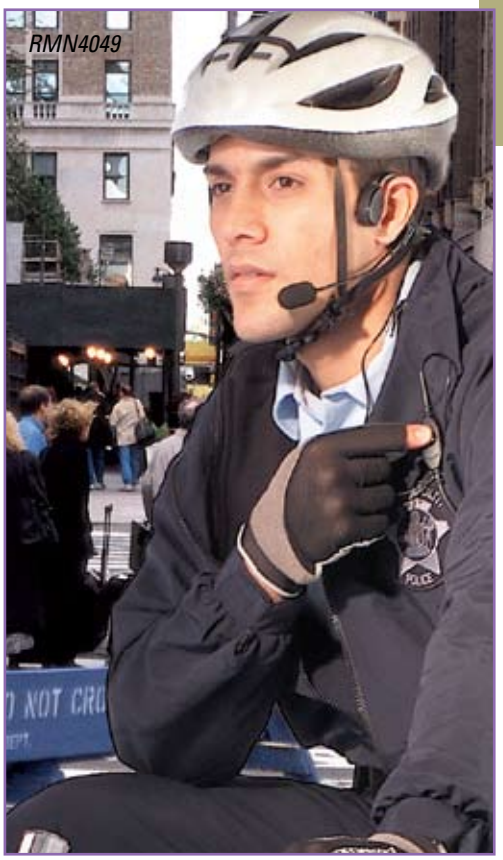
mission critical essentials...

Pellet-Style Earpieces

Pellet-style earpieces allow users to receive communication discreetly and are comfortable for extended-wear use.

BDN6780

BDN6780	Earbud with Microphone and Push-to-Talk Requires adapter BDN6676.
BDN6781	Earbud, receive-only. Requires BDN6676 adapter unless being used with a speaker or microphone.
7580372E70	Replacement Foam Cushion for Pellet Earpieces
BDN6676	3.5mm Jack Adapter with Quick Disconnect Latch



RMN4049

Temple Transducer

The Temple Transducer represents a significant achievement in headset design and functionality. It allows the user to receive audio without covering the ear. The receiver portion of this accessory rests on the temples and is capable of converting the receive audio from a two-way radio into sound vibration. The sound vibration is transmitted through the surrounding human tissue and bone directly into the inner ear where it is received by the user. It features an In-line PTT and noise-cancelling boom microphone.The Temple Transducer enhances communication and safety by not impairing the user's hearing of the external sound environment, such as machinery and equipment, warning and fire alarms, the intercom, traffic and even casual conversations with co-workers.

RMN4049*	Temple Transducer
0180305J46	Training CD-ROM. For Ear Microphone System and Temple Transducer.

Rugged Temple Transducer

The Rugged Temple Transducer comes equipped with all the features of the basic model. It sports a bigger Push-to-Talk button and a larger noise-cancelling boom microphone. It is fully adjustable for different head sizes, making it comfortable for extended-wear. Over-the-head band allows users to wear helmets, hardhats and other head gear – and it really stays in place. Water-resistant boom microphone is ideal for use in blowing rain and the secure cap on PTT prevents accidental activation in mission critical situations.

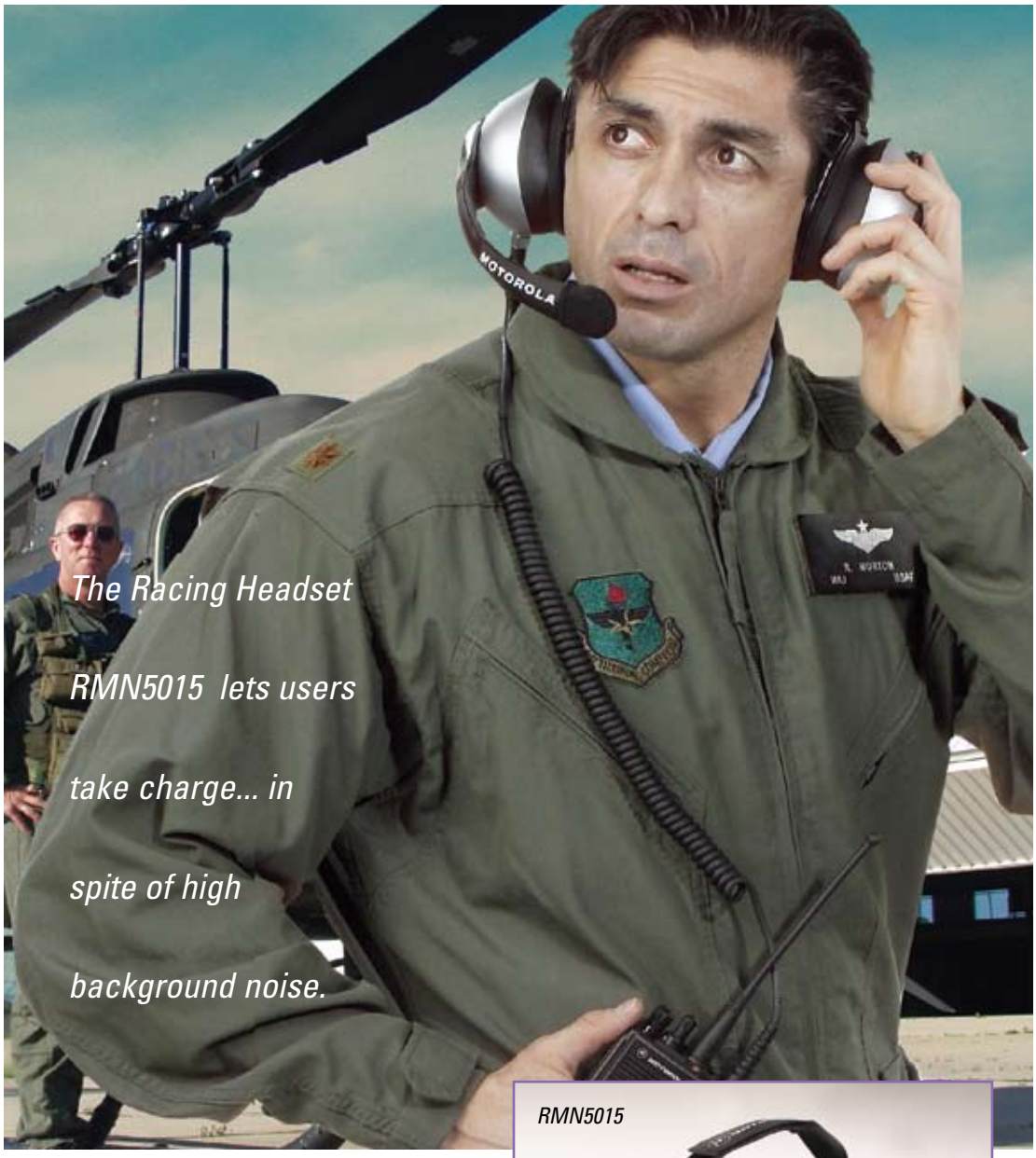
RMN5049*	Rugged Temple Transducer

RMN5049

*Intrinsically Safe (FM)

audio

The same winning quality and dependability you see at professional football stadiums and motor speedways can be yours with Motorola Original® accessories.



Racing Headset

This heavy-duty headset can be worn with most hard hats. Ideal for high-noise environments; racing teams like CART® use it in the pits for dependable communication. Adapter Cable required.

RMN5015	Racing Headset with Noise-Cancelling Swivel Boom Microphone Behind-the-Head style. Noise reduction rating = 24dB.
BDN6673	Adapter Cable for RMN5015

RMN5015

clear communication...

Noise-Cancelling Headsets With Boom Microphone

Ideal for two-way communication in extremely noisy environments. Dual-Muff, tactical headsets include two microphones on the outside of the earcups which reproduce the ambient sound back into the headset. Harmful sounds are suppressed to a safe level and low sounds are amplified up to 5 times the original level, but never more than 82dB. Includes on/off volume control on earcups and 3-foot coiled cord. Easily replaceable earseals are filled with liquid and foam combination to provide excellent sealing and comfort. Requires RKN4095 In-line PTT adapter cable.
Hardhat not included.

RMN4052	Tactical Headband Style Headset, Grey. Noise Reduction Rating = 24dB. Requires RKN4095 Adapter Cable
RMN4053	Tactical Hardhat Mount Headset, Grey. Noise Reduction Rating = 22dB. Requires RKN4095 Adapter Cable.
RKN4095	In-Line PTT Adapter Cable For use with RMN4051, RMN4052 and RMN4053 headsets.

RMN4053

Hardhat Mount Headset With Noise-Cancelling Boom Microphone

Ideal for two-way communication in high-noise environments, it mounts easily to hardhats with slots and has an excellent noise reduction of 22dB. Easily replaceable earseals are filled with liquid and foam combination to provide excellent sealing and comfort. 3-foot coiled cord assembly. Requires RKN4095 In-line PTT Adapter Cable.
Hardhat not included.

RMN4051	Two-way Hardhat-mount Headset. Black.

RMN4051

Medium Weight Headsets

Medium Weight headsets offer high-clarity sound with the additional hearing protection necessary for providing consistent, clear two-way radio communications in harsh, noisy situations.

NMN6258	Medium Weight Headset, Over-the-Head Style with In-line PTT. Noise reduction rating = 24dB.
NMN6259	Medium Weight Headset, Behind-the-Head Style with In-line PTT. Noise reduction rating = 24dB.

NMN6258

Heavy-Duty Headsets

Heavy-duty headsets include noise-cancelling boom microphones and can be worn with or without a hardhat. The Push-to-Talk switch is located on the earcup. On voice-activated models, the VOX module is contained within the headset. Radio adapter cable BDN6640 required, sold separately.

BDN6645*	Push-to-Talk Headset with Boom Microphone Requires adapter cable BDN6640. Noise reduction rating = 24dB.
BDN6635*	Voice-Activated (VOX) Headset with Boom Microphone Requires adapter cable BDN6640. Noise reduction rating = 24dB.
BDN6636*	Voice-Activated (VOX) Headset with Throat Microphone Requires adapter cable BDN6640. Noise reduction rating = 24dB.
BDN6673*	Radio Adapter Cable

BDN6645

*Intrinsically Safe (FM)

carrying accessories

You'd be surprised how much time can be saved in emergencies when each user's radio is always in the same place — made easy by this versatile case selection of Motorola Original® carry accessories.

Leather Carrying Cases

A variety of carrying accessories are available for comfort and convenience. The carrying cases are available in sizes designed to fit radios with a battery and permit audio to be heard clearly. Motorola carry cases were developed to meet the demands of public safety and other users who operate in the most rigorous of environments.

Leather cases are constructed of top grain, 8 ounce leather and all stainless steel hardware. High-activity cases have a swivel D-ring button and belt loop. To remove case from belt loop, rotate case 180 degrees and slide case upward, out of the holder. Case stays on belt more securely in high-activity applications while allowing the radio to swing freely with body movements.

NNTN4115	Leather Case with High-Activity Swivel Features 3 inch swivel belt loop, D-rings and T-strap.
NNTN4116	Leather Case with High-Activity Swivel Features 2.5 inch swivel belt loop, D-rings and T-strap.
NNTN4117	Leather Case with Belt Loop Features 3 inch belt loop, D-rings and T-strap.

NNTN4115

Nylon Carrying Case

NTN7247	Nylon Case with Snap Belt Loop and T-strap

NTN7247

Carrying Accessories

T-STRAPS

NTN8383	Leather T-strap, Plain Action Snap
NTN8384	Leather T-strap, Hard Action Snap

HIGH-ACTIVITY BELT LOOPS

NTN8039	Leather Swivel Belt Loop. 2.5 Inches.
NTN8040	Leather Swivel Belt Loop. 3 Inches.

BELT CLIPS

HLN6853	2.25 Inch Spring Action Belt Clip
HLN9844	2 Inch Removable Belt Clip Attachment

CARRYING STRAP

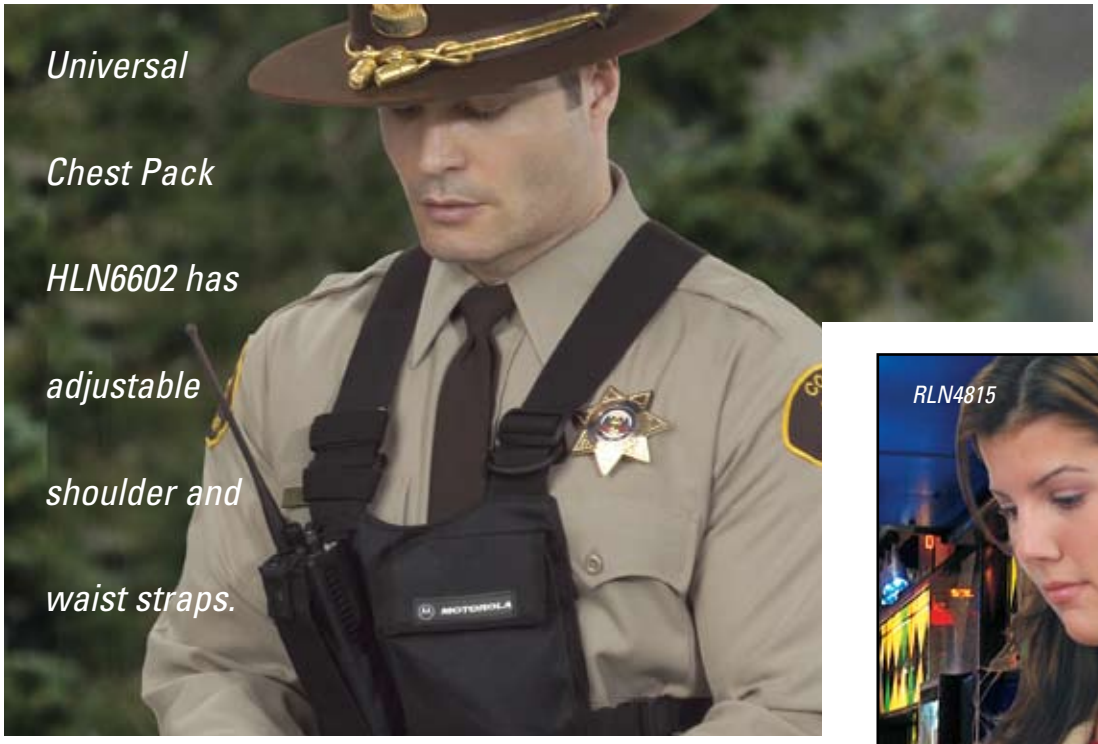
NTN5243	Adjustable, Black Nylon Carrying Strap Attaches to D-ring on case.

NTN8039

NTN8040

HLN9844

NTN5243



Chest Pack

Motorola Original® Universal Chest Pack protects the radio and provides the freedom from holding it during standby communication mode. Universal Chest Pack fits virtually any radio.

HLN6602	Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch
1505596Z02	Replacement Strap for HLN6602/RLN4570

Break-A-Way Chest Pack

All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure.

RLN4570	Break-a-Way Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch.
1505596Z02	Replacement Strap for HLN6602/RLN4570

Universal RadioPAk™

The RadioPAk is lightweight and comfortable. Worn around the waist, it keeps radios/phones at hand. It features a separate 6 x 8 inch zippered pouch for other on-the-job necessities. Adjustable woven nylon belt fits both men and women.

RLN4815	RadioPAk Radio/Utility Case
4280384F89	RadioPAk Extension Belt For waists larger than 40 inches.

Waterproof Bag

HLN9985	Waterproof Bag with Large Strap

Portable Radio Hangers

Portable Radio Hangers slide over and hang from the vehicle door panel allowing convenient, easy mounting. Radio belt clip required.

TDN9327	Portable Radio Hanger for door panels up to 2.75 Inches.
TDN9373	Portable Radio Hanger for door panels 2.75 to 3.25 Inches.

Unlike rigid holders, the universal-fit RadioPAk is lightweight and comfortable. An ideal companion for two-way radios, as well as iDEN® portables and Cellular phones.

TDN9327, TDN9373

batteries and chargers

Battery Characteristics

NiCd batteries provide the maximum number of charge/discharge cycles and are best suited for temperature extremes.

NiMH batteries provide more talk-time per shift and are less prone to memory effect.

Li-Ion batteries offer the best power-to-weight ratio of all chemistries, with no memory effect.

Batteries

	PREMIUM NICKEL CADMIUM - NiCd
NTN9815	NiCd, 1525 mAh 7.5 Volt
NTN9816*	NiCd, 1525 mAh 7.5 Volt.

IMPRES™ Batteries

IMPRES batteries, when used with an IMPRES charger, provide automatic, adaptive reconditioning, end-of-life display and other advanced features. Data is stored in the battery and communicated to the charger via a unique IMPRES communication protocol which is designed to maximize talk-time and optimize battery cycle life – all automatically.

NTN9858	NiMH, 1850 mAh 7.5 Volt
NTN9857*	NiMH, 1700 mAh 7.5 Volt.
NNTN6263*	NiMH, 1700 mAh 7.5 Volt., Ruggedized.
NNTN7335	Li-Ion, 2700 mAh 7.2 Volt

Single-Unit, Rapid-Rate, Universal Charger

These tri-chemistry chargers support Nickel Cadmium, Nickel Metal Hydride and Lithium-ion batteries. They will rapid charge most batteries to 90% capacity in one to two hours and employ trickle and maintenance modes that ensure batteries are safely charged to full-capacity.

NTN1667	Universal Charger, 110 Volt,
NTN1668	Universal Charger, 220 Volt,
RPX4749	Charger Base with Transformer, 230 Volt UK Plug

NTN1667

*Intrinsically Safe (FM)

Motorola Conditioning Charger (MCC)

The MCC features Instant Fault Detection technology that detects faulty batteries in seconds. You'll know right away when a battery won't operate at peak performance - saving you time and trouble. Each unit rapidly charges NiCd and NiMH batteries and optimizes battery performance. It's patented, negative pulse charging process minimizes overheating and overcharging, extending useful battery life. Batteries can be left on the charger for extended periods of time, without worry of heat build-up. Optional accessories are available that allow the MCC to be used in both AC and DC environments - that's flexibility.

WPPN4065_R

WPPN4002_R	Base Charge Unit, 110 Volt AC. Adapter plates sold separately.
WPLN4168_R	MCC Kit, 110 Volt AC. Includes single-unit base and adapter plate
WPPN4098_R	XTS Adapter plate only
WPPN4065_R	Multi-Unit Conditioning Charger, 4-Station Base, 110 Volt. Adapter plates sold separately.

Vehicular Mounting

RLN4814A	Vehicular Mounting Bracket and Hard Wire Cable For Single-Unit Motorola Conditioning Chargers Includes DC Hard Wire Cable 3080384M21.
3080384M21	DC Hard Wire Cable with 3 AH In-line fuse.

RLN4814

Vehicular Power Adapter

3080384G15	Vehicular Power Adapter

Vehicular Travel Charger

A great traveling companion that ensures constant communication while on the road. Its small, compact design allows the radio to be used while rapid charging in the charger base. Unit includes a voltage regulated vehicular charger adapter, custom charger base, mounting bracket and coil cord.

RLN4884	Vehicular Travel Charger
RLN4914	Universal Mounting Bracket for RLN4884. Includes screws and nylon strap cord.

TRAVEL CHARGER TRANSFORMERS

2580600E05	Transformer, US, 120 Volt
2580600E06	Transformer, European, 230 Volt
2580600E07	Transformer, UK, 230 Volt
2580600E08	Transformer, Argentina, 220 Volt

RLN4884

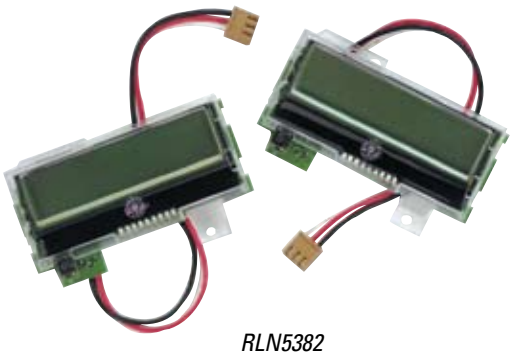
Vehicular Charger

This vehicular charger is a 12 Volt DC unit that supports NiCd, NiMH and Li-Ion batteries. A microprocessor senses the type of battery installed and controls the rate of charge accordingly. Batteries are charged at a rapid-rate until fully charged at which point the unit reverts to a trickle charge. Batteries can be charged while on the radio or stand alone. The radio can be operated while in the charger and this unit is PAC RT compatible. The vehicular charger consists of a console, mounting hardware and supply cable.

WPLN4208	Vehicular Charger

WPLN4208

WPLN4111_R



RLN5382

IMPRES™ Smart Energy Systems

Through the use of its advanced charging algorithm and automatic reconditioning features, the IMPRES Smart Energy System ensures maximum talk-time and optimized battery cycle life. This smart energy system automatically reconditions IMPRES batteries based on actual usage, keeping them in peak condition. Talk-time and cycle life are optimized and the need for manual maintenance programs is eliminated. Its advanced conditioning features allow batteries to be safely left on the charger for extended periods of time without incurring the damaging heat build-up which can decrease battery cycle life. In addition, batteries left in the charger are kept fully charged so they are always ready when needed. This rapid-rate, tri-chemistry charging system will also charge compatible non-IMPRES batteries and supports multiple radio platforms including SABER, XTS and HT 1000 Series portables.

IMPRES™ Single-Unit Chargers

WPLN4111_R	IMPRES Single-Unit Charger, 110 Volt, US Plug
WPLN4112_R	IMPRES Single-Unit Charger, 220 Volt, Euro Plug
WPLN4113_R	IMPRES Single-Unit Charger, 240 Volt, UK Plug
5889254E01	Battery Adapter. Required for NTN4538_R, NTN4593_R, NTN7014_R and NTN8818 batteries.

IMPRES™ Multi-Unit Chargers

WPLN4108_R	IMPRES Multi-Unit Charger, 110 Volt, US Plug
WPLN4109_R	IMPRES Multi-Unit Charger, 220 Volt, Euro Plug
WPLN4110_R	IMPRES Multi-Unit Charger, 240 Volt, UK Plug
NLN7967	Wall Mount for Multi-Unit Chargers

IMPRES™ Multi-Unit Chargers with Display Modules

Charger Display Modules provide powerful, "real time" analyzing information for IMPRES batteries, including current charge status, battery mAh, percent rated capacity and battery voltage. Readout displays battery kit number, serial number and chemistry and the time remaining to complete the charge for NiCd and NiMH batteries. It also forecasts the number of cycles to next reconditioning and more.

WPLN4130	IMPRES Multi-Unit Charger with Display Modules, 110 Volt, US Plug
WPLN4131_R	IMPRES Multi-Unit Charger with Display Modules, 220 Volt, Euro Plug
WPLN4132_R	IMPRES Multi-Unit Charger with Display Modules, 240 Volt, UK Plug
NLN7967	Wall Mount for Multi-Unit Charger

IMPRES™ Individual Charger Display Module

This module is compatible with the standard IMPRES™ Multi-Unit Charger WPLN4108_R, WPLN4109_R and WPLN4110_R. Up to 6 modules can be used per charger, one for each charging pocket. Includes detailed installation instructions.

RLN5382	Charger Display Module for IMPRES Multi-Unit Charger Version 1.3 or Later.

Note: Display Modules compatible with Multi-Unit Charger version 1.2 or earlier require a software flash update.

Version number is located on label on the bottom of the IMPRES™ Multi-Unit charger. If no version is shown, it is earlier than version 1.2. Version 1.2 will appear as V1.20, 1.3 will appear as V1.30, etc.

IMPRES™ CD

This CD provides an interactive guide to the IMPRES Charging System. It outlines the benefits and gives examples of application usage.

0180305J70	IMPRES CD

essential power systems...

Battery Maintenance System^{PLUS} (BMS^{PLUS})

Increase the useful life of your batteries. Using interchangeable battery adapters (sold separately), the BMS^{PLUS} is capable of charging and discharging, analyzing, conditioning and cycle testing batteries. It supports NiCd, NiMH and Li-Ion battery chemistries (Li-Ion 6-station units only) and tracks better voltage and capacity (mAh). Its easy-to-use design supports hundreds of two-way, cellular and camcorder batteries. The BMS^{PLUS} offers a 3-year warranty and includes serial printer* port (RS-232).

WPLN4079_R	6-Station BMS^{PLUS}, 110 Volt AC, 50/60 Hz, US Plug
WPLN4080_R	6-Station BMS^{PLUS}, 230 Volt AC, 50/60 Hz, Euro Plug
WPLN4081_R	6-Station BMS^{PLUS}, 230 Volt AC, 50/60 Hz, UK Plug
WPPN4085_R	BMS^{PLUS} Li-Ion Field Upgrade Kit Upgrades WPLN4079AR, WPLN4080_R, WPLN4081_R. Allows units to support Li-Ion batteries.
NDN4005	3-Station BMS, 110 Volt AC, 50/60 Hz Does not support Li-Ion or 3-cell batteries.
NDN4006	3-Station BMS, 230 Volt AC, 50/60 Hz Does not support Li-Ion or 3-cell batteries.

*Compatible with the STAR Micronics SP200 series printers and other printers with STAR printer emulation. STAR Micronics printers are available through STAR Micronics distributors.

WPLN4079_R

Battery Maintenance System^{PLUS} (BMS^{PLUS}) Adapters

WPPN4097_R	NiCd and NiMH Adapter, 7.5 Volt

Battery Optimizing System II (BOS II)

No other battery analyzer matches the speed, accuracy, versatility and ease-of-use of the BOS II in providing powerful analyzing capabilities. Users can select from 12 pre-programmed service programs making it quick and easy to get up and running. Because the BOS II is programmable, users can create custom programs to perform a wide variety of tasks specific to individual needs. New enhancements include new navigation keys and an improved, more intuitive menu system. Regular use of the BOS II can optimize battery performance and help extend battery life, helping reduce battery replacement costs.

WPLN4124_R	BOS II, 4-Station, 90-264 Volt AC, US Plug. Adapter Plates Required.
WPLN4125_R	BOS II, 4-Station, 90-264 Volt AC, Euro/UK Plug. Adapter Plates Required.
RL_76341	Standard Battery Adapter. For use with XTS 2500 radios.

WPN4124_R

- Quicktest™ diagnostic feature measures a battery's state of health in approximately 2 to 5 minutes
- Supports NiCd, NiMH, Li-Ion and SLA batteries
- Increased power-programmable from 100 mAh to 4 Amps per station
- Programmable adapters allow customization of maintenance routines
- Proprietary reduction cycle restores NiCd and NiMH batteries
- Printer output for reports and labels with computer interface (Includes both 9-pin serial and 25-pin parallel ports)
- 100-Watt Universal Power Supply (110-240 VAC) provides up to 4 amps of power per station
- Interchangeable adapter plates accommodate nearly all Motorola two-way batteries and other major brands

antennas

Antenna Characteristics

Heliflex antennas are engineered for maximum output and coverage.

Stubby antennas are non-obtrusive, ideal for wearing the radio on a belt.

Whip antennas are one-piece with a steel core for optimal radiation.

tuned and tested...

Flexible Whip

Antenna has a one-piece finish and steel core for optimal strength and better radiation characteristics. Provides more comfort when radio is worn on the belt.

NAE6549_R	7 Inch Flexible Whip Antenna, 403-520 MHz
8505241U03	7 Inch Flexible Whip Antenna, 806-870 MHz
8505241U11	7 Inch Flexible Whip Dual Band Antenna, 764-870 MHz

Stubby

This quarterwave Stubby Antenna is ideal when radio is worn on the belt because the short antenna is unobtrusive. This is a broad band antenna that can be used for both 800 MHz and 900 MHz applications.

8505241U06	4 Inch Stubby Antenna, 806-941 MHz

8505644V01

8505644V03

Helical

Helical antennas are sturdy and dependable. Each antenna is designed and built to quality standards. The skirt at the base of the connector helps to seal out damaging elements.The connector is made of plated brass material for long life.

8505644V01	6 Inch Helical Antenna, 136-151 MHz
8505644V02	6 Inch Helical Antenna, 151-162 MHz
8505644V03	6 Inch Helical Antenna, 162-174 MHz
NAE6546_R	3 Inch Helical Antenna, 403-435 MHz
NAE6547_R	3 Inch Helical Antenna, 435-470 MHz
NAE6548_R	3 Inch Helical Antenna, 470-520 MHz

Crowd Control

Keeping people away from potential dangers is a task made easier with Speakers on board each vehicle.

Crisis Situations

Day one calls for on-scene decisions. Day two moves command to a situation room. Control Station Accessories make it easy to convert radios for inside use.

Utility Repairs

Maximizing worker safety in high-crime areas is a number one priority, and an Emergency Switch is a ready solution if an alarm or help message needs to be sent.

Emergency Response

If just one number is heard wrong, help may not get to the correct address on time. An External Speaker can help make everything clear under noisy conditions.

"This is car 67...

EMS's expected ETA

is twenty-four fifteen,

fire department is on

the scene."

high performance, quality, reliability and interoperability in daily communications...

ASTRO® XTL™ 1500, XTL 2500 and XTL 5000 mobile radios are ideal for demanding environments — law enforcement, fire, EMS, government agencies, construction and more. That's because they support Project 25 and stand up to your toughest challenges. All models are capable of integrated voice and data service, and accept FLASHport™ software upgrades so you can add features as your communication needs evolve.

audio and control station

Microphones and Accessories

HMN4079	Keypad Microphone
HMN1090	Standard Palm Microphone
HMN1087	Gooseneck Push-to-Talk Attaches to vehicle steering column. For use with Visor Microphone.
HMN4089	Visor Microphone, Remote Mount
HMN1089	Modified GCAI Palm Microphone Water-resistant.
HLN1457	Handset with Hang Up Cup with Coiled Cable. Includes cradle.
HKN1018	Hang Up Handset with Normal Armoured Cable
HLN1457	Handset with Hang Up Cup

External Speaker

Provides audio for high ambient noise environments.

HSN4038	External 7.5 Watt Speaker

Motorocycle Speaker

HSN6003	Motorcycle Speaker Weather-resistant.

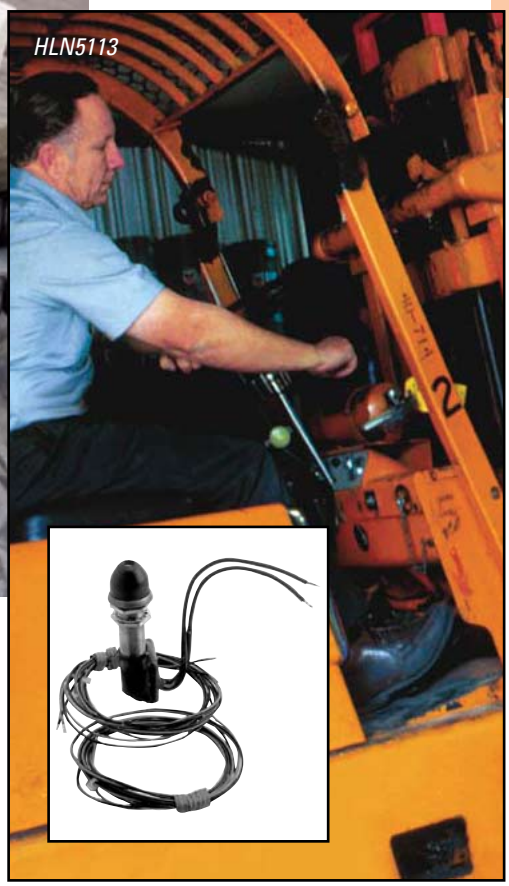
HMN4079

HLN6909

Trunnion Kits

HKN6186	Control Head Remote Mount Trunnion Kit
HLN6909	Quick Release, High Power Trunnion Kit
HLN6910	High Power Trunnion Kit For XTL 5000 05 only.
HLN6861	Standard Installation Trunnion Kit

Control Station accessories make the ASTRO XTL 5000 05 a desktop command center. From left to right are Control Station Power Supply HPN4007, Control Station Tray HLN6042 and Desktop Microphone HMN1088.



HLN5113

Control Station Accessories

RMN5070	GCAI Desk Microphone
HLN6042	Desk Tray with Speaker
HLN6925	Control Station Mount
HPN4007	Power Supply, 25-60 Watt Rated.

Emergency Switches

These switches enable the user to send an emergency message to a desktop console, where the signalling unit ID number is displayed and an alarm is sounded.

HLN5113	Emergency Foot Switch
HLN5131	Emergency Push Button
GLN7278	Foot Switch Push-to-Talk

Miscellaneous Hardware

HLN6372	Key Lock Mount

HLN6372

The Emergency Foot Switch HLN5113 enables the user to send an emergency message to a desk-top console.

antennas

A communication system is only as good as the mobile antennas used to transmit and receive — so whenever lives are on the line Motorola Original® audio accessories should be the go-to choice.

Power Cables

HKN4191	10-Foot Power Cable
HKN4192	20-Foot Power Cable
HKN6032	Motorcycle Power Cable
HKN6110	100-Watt Power Cable

Remote Mount Cables

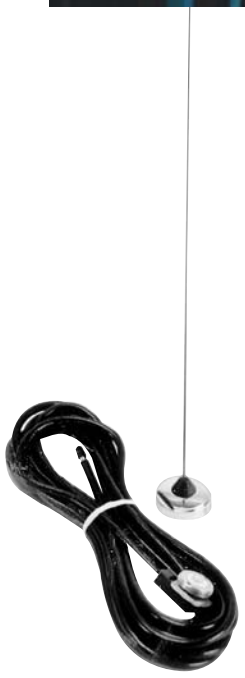
HKN6164	131-Foot Remote Mount Cable – 40 meters
HKN6165	115-Foot Remote Mount Cable – 35 meters
HKN6166	75-Foot Remote Mount Cable – 23 meters
HKN6167	50-Foot Remote Mount Cable – 15 meters
HKN6168	30-Foot Remote Mount Cable – 10 meters
HKN6169	17-Foot Remote Mount Cable – 5 meters
HKN6170	10-Foot Remote Mount Cable – 3 meters

Remote Mount Kits

HKN6161	20-Foot Dash Mount Data Cable Kit - IV&D
HKN6160	6-Foot Dash Mount Data Cable Kit - IV&D

Miscellaneous Cables

GKN6271	Ignition Sense Cable
HKN6182	Cable Keyloading Adapter - GCAI



HAD4006

HAE4003

Antennas

	VHF
HAD4006	136-144 MHz 1/4 Wave Roof Mount Antenna
HAD4007	144-152 MHz 1/4 Wave Roof Mount Antenna
HAD4008	152-162 MHz 1/4 Wave Roof Mount Antenna
HAD4009	162-174 MHz 1/4 Wave Roof Mount Antenna
HAD4017	146-174 MHz 1/4 Wave Roof Mount Antenna
RAD4010_RB	136-174 MHz 3.0dB Wave Roof Mount Antenna
	UHF
HAE4003	450-470 MHz 1/4 Wave Roof Mount Antenna
HAE4004	470-512 MHz 1/4 Wave Roof Mount Antenna
HAE4011	450-470 MHz 3.5dB Gain Roof Mount Antenna
HAE4012	470-495 MHz 3.0dB Gain Roof Mount Antenna
HAE4013	494-512 MHZ 3.0dB Gain Roof Mount Antenna
RAE4014	450-470 MHz 5.0dB Gain Roof Mount Antenna
RAE4014_RB	450-470 MHz 5.0dB Gain Roof Mount Antenna
RAE4016_RB	494-512 MHz 5.0dB Gain Roof Mount Antenna
HAE6010	380-433 MHz 3.5dB Gain Roof Mount Antenna
HAE6011	380-433 MHz 5.0dB Gain Roof Mount Antenna
HAE6012	380-433 MHz 1/4 Wave Roof Mount Antenna
HAE6013	380-470 MHz Wideband 2.0dB Roof Mount Antenna
	700/800 MHz
HAF4013	762-870 MHz 3.0dB Gain Low Profile Antenna
HAF4014	762-870 MHz 3.0dB Gain Elevated Feed Antenna
HAF4016	762-870 MHz 1/4 Wave Roof Mount Antenna
HAF4017	762-870 MHz 3.0dB Gain Collinear Roof Mount Antenna

MOTOROLA

motorola.com/radiosolutions

MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office. All other product or service names are the property of their respective owners. © Motorola, Inc. 2008.

LE-ACCY-DLR-EU-HITIER2-10/08